

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/25/2016 10/25/2016	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD2063_01_s_2013_12				
Comment Code					
Inspector Comment					
The LMA maintains a copy of the O&M manual on file at district office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD2063_01_f_2014_15				
Comment Code					
Inspector Comment					
The LMA maintains adequate flood fight supplies and equipment.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

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Unit No. 01 San Joaquin River	Right	10.44	10/25/2016 10/25/2016	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2063_01_s _ 2013_21				
Comment Code					
Inspector Comment					
The LMA is prepared for flood response.					

No Photos

LM Start	1.38	Rating **	C	Issue No.	36
LM End	1.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.463582°	37.463582°
				-121.032263°	-121.032263°
DWR ID	DWR_RD2063_01_s _ 2013_36				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.54	Rating **	C	Issue No.	4
LM End	1.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.461322°	37.461322°
				-121.031785°	-121.031785°
DWR ID	DWR_RD2063_01_s _ 2012_4				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
No visible rodent or rodent holes. But area should be monitored.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Right	10.44	10/25/2016 10/25/2016	Richard Willoughby

Photo 1 of 2 : FA_2016_RD2063_112_11_20161027_00085.jpg




Looking at several rodent holes on landward slope.

Photo 2 of 2 : FA_2016_RD2063_112_11_20161027_00083.jpg



Looking at close-up view of rodent hole on landward slope.

Photo 1 of 2 : FA_2016_RD2063_112_46_20161027_00086.jpg



Looking at large rodent hole on landward slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/25/2016 10/25/2016	Richard Willoughby

LM Start	2.01	Rating **	U	Issue No.	46 (cont)	
LM End	2.01	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Animal Control			37.455136 °	37.455136 °	
				-121.032912 °	-121.032912 °	
DWR ID	DWR_RD2063_01_f _ 2016_46					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						
Three large rodent holes on landward slope.						

Looking at close-up view of rodent hole with corn husk at the entrance of the hole.

LM Start	2.34	Rating **	U	Issue No.	47
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.451394 °	37.451064 °
				-121.029426 °	-121.029072 °
DWR ID	DWR_RD2063_01_f_2016_47				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent holes on landward slope.					

Looking at close-up view of rodent hole with corn and corn husk at the entrance of hole.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

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LM Start	2.34	Rating **	U	Issue No.	47 (cont)
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.451394 °	37.451064 °
				-121.029426 °	-121.029072 °
DWR ID	DWR_RD2063_01_f_2016_47				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent holes on landward slope.					

Photo 2 of 3 : FA_2016_RD2063_112_47_20161027_00088.jpg



Looking west at rodent hole on landward slope.

LM Start	2.34	Rating **	U	Issue No.	47 (cont)
LM End	2.37	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2016_RD2063_112_47_20161027_00090.jpg



Looking northwest at rodent hole on landward slope.

LM Start	2.67	Rating **	C	Issue No.	982
LM End	2.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.447512 °	37.446574 °
				-121.026050 °	-121.025643 °
DWR ID	DWR_RD2063_01_s_2012_982				
Comment Code					
A2 : Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comment					
No visible rodent or rodent holes. But area should be monitored.					

No Photos

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Reclamation District No. 2063 Crows Landing

Looking southeast at typical rodent hole on landward slope.

Looking east at typical rodent hole on landward shoulder.

Looking south at typical rodent hole on landward shoulder.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.44	10/25/2016 10/25/2016	Richard Willoughby

LM Start	3.89	Rating **	U	Issue No.	2
LM End	3.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.434506°	37.433441°
				-121.014394°	-121.013633°
DWR ID	DWR_RD2063_01_s_2016_2				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove dense veg on landward berm.					

Photo 1 of 2 : FA_2016_RD2063_112_2_20161027_00093.jpg



Looking north at dense veg at landward toe and berm.

LM Start	3.89	Rating **	U	Issue No.	2 (cont)
LM End	3.97	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2016_RD2063_112_2_20161027_00092.jpg



Looking south at dense veg at landward toe and berm.

LM Start	4.58	Rating **	A/W	Issue No.	3
LM End	4.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.429513 °	37.429513 °
				-121.005653 °	-121.005653 °
DWR ID	DWR_RD2063_01_s_2016_3				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

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Reclamation District No. 2063 Crows Landing

No Photos

No Photos

A gravel road leads from the bottom left towards the center of the frame. To the right of the road is a sandy area with sparse green vegetation. In the background, a dry, sandy landscape extends to the horizon under a clear sky. A small blue object is visible in the distance on the right side of the road.

Looking southeast at slope damage on landward slope.

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Unit No. 01 San Joaquin River	Right	10.44	10/25/2016 10/25/2016	Richard Willoughby

LM Start	6.21	Rating **	M	Issue No.	40
LM End	6.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.414110°	37.414110°
				-121.001408°	-121.001408°
DWR ID	DWR_RD2063_01_s_2015_40				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.58	Rating **	C	Issue No.	52
LM End	6.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.411610 °	37.411610 °
				-120.997111 °	-120.997111 °
DWR ID	DWR_RD2063_01_s_2016_52				
Comment Code					
MA : Material					
Inspector Comment					
Remove concrete rubble from landward slope.					

No Photos

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LM Start	7.74	Rating **	A/W	Issue No.	9
LM End	7.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.401774 °	37.401774 °
				-120.983132 °	-120.983132 °
DWR ID	DWR_RD2063_01_s _ 2012_9				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.89	Rating **	C	Issue No.	25
LM End	8.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.392405 °	37.392405 °
				-120.968492 °	-120.968492 °
DWR ID	DWR_RD2063_01_s _ 2013_25				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
No visible rodent or rodent holes. But area should be monitored.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 San Joaquin River	Right	10.44	10/25/2016 10/25/2016	Richard Willoughby

LM Start	10.38	Rating **	C	Issue No.	42
LM End	10.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.390503°	37.390483°
				-120.942368°	-120.941480°
DWR ID	DWR_RD2063_01_s_2013_42				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair erosion on waterward shoulder. Erosion cause by farm equipment.					

No Photos

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